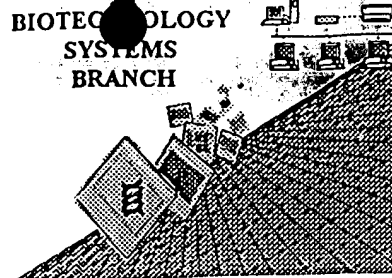




RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/883,727

Source: OIPE

Date Processed by STIC: 7/6/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>



OIPE

RAW SEQUENCE LISTING

DATE: 07/06/2001

PATENT APPLICATION: US/09/883,727

TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt

Output Set: N:\CRF3\07062001\I883727.raw

4 <110> APPLICANT: West, Robert R.
 5 Sheppard, Paul O.
 6 Fox, Brian A.
 8 <120> TITLE OF INVENTION: Peptide and Polypeptide Inhibitors of
 9 Complement C1s
 11 <130> FILE REFERENCE: 00-33
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/883,727
 C--> 13 <141> CURRENT FILING DATE: 2001-06-18
 13 <160> NUMBER OF SEQ ID NOS: 140
 15 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 122
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Haementaria ghilianii
 22 <400> SEQUENCE: 1
 23 Ala Lys Lys Lys Leu Pro Lys Cys Gln Lys Gln Glu Asp Cys Gly Ser
 24 1 5 10 15
 25 Trp Asp Leu Lys Cys Asn Asn Val Thr Lys Lys Cys Glu Cys Arg Asn
 26 20 25 30
 27 Gln Val Cys Gly Arg Gly Cys Pro Lys Glu Arg Tyr Gln Arg Asp Lys
 28 35 40 45
 29 Tyr Gly Cys Arg Lys Cys Leu Cys Lys Gly Cys Asp Gly Phe Lys Cys
 30 50 55 60
 31 Arg Leu Gly Cys Thr Tyr Gly Phe Lys Thr Asp Lys Lys Gly Cys Glu
 32 65 70 75 80
 33 Ala Phe Cys Thr Cys Asn Thr Lys Glu Thr Ala Cys Val Asn Ile Trp
 34 85 90 95
 35 Cys Thr Asp Pro Tyr Lys Cys Asn Pro Glu Ser Gly Arg Cys Glu Asp
 36 100 105 110
 37 Pro Asn Glu Glu Tyr Glu Tyr Asp Tyr Glu
 38 115 120
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 10
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Polypeptide
 48 <400> SEQUENCE: 2
 49 Pro Asn Glu Glu Tyr Glu Tyr Asp Tyr Glu
 50 1 5 10
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 10
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Polypeptide
 60 <221> NAME/KEY: MUTAGEN

Does Not Comply
Corrected Diskette Needed

need to indicate the
source of the genetic material

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/883,727

DATE: 07/06/2001
TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt
Output Set: N:\CRF3\07062001\I883727.raw

61 <222> LOCATION: (5)...(5)
62 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
64 <400> SEQUENCE: 3
W--> 65 Pro Asn Glu Glu Xaa Glu Tyr Asp Tyr Glu
66 1 5 10
68 <210> SEQ ID NO: 4
69 <211> LENGTH: 10
70 <212> TYPE: PRT
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Polypeptide
76 <221> NAME/KEY: MUTAGEN
77 <222> LOCATION: (7)...(7)
78 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
80 <400> SEQUENCE: 4
W--> 81 Pro Asn Glu Glu Tyr Glu Xaa Asp Tyr Glu
82 1 5 10
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 10
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Polypeptide
92 <221> NAME/KEY: MUTAGEN
93 <222> LOCATION: (9)...(9)
94 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
96 <400> SEQUENCE: 5
W--> 97 Pro Asn Glu Glu Tyr Glu Tyr Asp Xaa Glu
98 1 5 10
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 10
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Polypeptide
108 <221> NAME/KEY: MUTAGEN
109 <222> LOCATION: (5)...(5)
110 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
112 <221> NAME/KEY: MUTAGEN
113 <222> LOCATION: (7)...(7)
114 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
116 <400> SEQUENCE: 6
W--> 117 Pro Asn Glu Glu Xaa Glu Xaa Asp Tyr Glu
118 1 5 10
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 10
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/883,727

DATE: 07/06/2001
TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt
Output Set: N:\CRF3\07062001\I883727.raw

126 <223> OTHER INFORMATION: Polypeptide
128 <221> NAME/KEY: MUTAGEN
129 <222> LOCATION: (5)...(5)
130 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
132 <221> NAME/KEY: MUTAGEN
133 <222> LOCATION: (9)...(9)
134 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
136 <400> SEQUENCE: 7
W--> 137 Pro Asn Glu Glu Xaa Glu Tyr Asp Xaa Glu
138 1 5 10
140 <210> SEQ ID NO: 8
141 <211> LENGTH: 10
142 <212> TYPE: PRT
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Polypeptide
148 <221> NAME/KEY: MUTAGEN
149 <222> LOCATION: (7)...(7)
150 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
152 <221> NAME/KEY: MUTAGEN
153 <222> LOCATION: (9)...(9)
154 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
156 <400> SEQUENCE: 8
W--> 157 Pro Asn Glu Glu Tyr Glu Xaa Asp Xaa Glu
158 1 5 10
160 <210> SEQ ID NO: 9
161 <211> LENGTH: 10
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Polypeptide
168 <221> NAME/KEY: MUTAGEN
169 <222> LOCATION: (5)...(5)
170 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
172 <221> NAME/KEY: MUTAGEN
173 <222> LOCATION: (7)...(0)
174 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
176 <221> NAME/KEY: MUTAGEN
177 <222> LOCATION: (9)...(9)
178 <223> OTHER INFORMATION: Xaa = Phe-(p-CH₂)SO₃H
180 <400> SEQUENCE: 9
W--> 181 Pro Asn Glu Glu Xaa Glu Xaa Asp Xaa Glu
182 1 5 10
184 <210> SEQ ID NO: 10
185 <211> LENGTH: 10
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Polypeptide

See page 1

RAW SEQUENCE LISTING

DATE: 07/06/2001

PATENT APPLICATION: US/09/883,727

TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt

Output Set: N:\CRF3\07062001\I883727.raw

192 <221> NAME/KEY: MUTAGEN
193 <222> LOCATION: (5)...(5)
194 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
196 <400> SEQUENCE: 10
W--> 197 Pro Asn Glu Glu Xaa Glu Tyr Asp Tyr Glu
198 1 5 10
200 <210> SEQ ID NO: 11
201 <211> LENGTH: 10
202 <212> TYPE: PRT
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Polypeptide
208 <221> NAME/KEY: MUTAGEN
209 <222> LOCATION: (7)...(7)
210 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
212 <400> SEQUENCE: 11
W--> 213 Pro Asn Glu Glu Tyr Glu Xaa Asp Tyr Glu
214 1 5 10
216 <210> SEQ ID NO: 12
217 <211> LENGTH: 10
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Polypeptide
224 <221> NAME/KEY: MUTAGEN
225 <222> LOCATION: (9)...(9)
226 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
228 <400> SEQUENCE: 12
W--> 229 Pro Asn Glu Glu Tyr Glu Tyr Asp Xaa Glu
230 1 5 10
232 <210> SEQ ID NO: 13
233 <211> LENGTH: 10
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Polypeptide
240 <221> NAME/KEY: MUTAGEN
241 <222> LOCATION: (5)...(5)
242 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
244 <221> NAME/KEY: MUTAGEN
245 <222> LOCATION: (7)...(7)
246 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
248 <400> SEQUENCE: 13
W--> 249 Pro Asn Glu Glu Xaa Glu Xaa Asp Tyr Glu
250 1 5 10
252 <210> SEQ ID NO: 14
253 <211> LENGTH: 10
254 <212> TYPE: PRT
255 <213> ORGANISM: Artificial Sequence

- see page 1

RAW SEQUENCE LISTING

DATE: 07/06/2001

PATENT APPLICATION: US/09/883,727

TIME: 11:49:10

Input Set : A:\00-33.SEQ.txt

Output Set: N:\CRF3\07062001\I883727.raw

257 <220> FEATURE:
 258 <223> OTHER INFORMATION: Polypeptide
 260 <221> NAME/KEY: MUTAGEN
 261 <222> LOCATION: (5)...(5)
 262 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
 264 <221> NAME/KEY: MUTAGEN
 265 <222> LOCATION: (9)...(9)
 266 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
 268 <400> SEQUENCE: 14
 W--> 269 Pro Asn Glu Glu Xaa Glu Tyr Asp Xaa Glu
 270 1 5 10
 272 <210> SEQ ID NO: 15
 273 <211> LENGTH: 10
 274 <212> TYPE: PRT
 275 <213> ORGANISM: Artificial Sequence
 277 <220> FEATURE:
 278 <223> OTHER INFORMATION: Polypeptide
 280 <221> NAME/KEY: MUTAGEN
 281 <222> LOCATION: (7)...(7)
 282 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
 284 <221> NAME/KEY: MUTAGEN
 285 <222> LOCATION: (9)...(9)
 286 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
 288 <400> SEQUENCE: 15
 W--> 289 Pro Asn Glu Glu Tyr Glu Xaa Asp Xaa Glu
 290 1 5 10
 292 <210> SEQ ID NO: 16
 293 <211> LENGTH: 10
 294 <212> TYPE: PRT
 295 <213> ORGANISM: Artificial Sequence
 297 <220> FEATURE:
 298 <223> OTHER INFORMATION: Polypeptide
 300 <221> NAME/KEY: MUTAGEN
 301 <222> LOCATION: (5)...(5)
 302 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
 304 <221> NAME/KEY: MUTAGEN
 305 <222> LOCATION: (7)...(7)
 306 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
 308 <221> NAME/KEY: MUTAGEN
 309 <222> LOCATION: (9)...(9)
 310 <223> OTHER INFORMATION: Xaa = sulfated tyrosine
 312 <400> SEQUENCE: 16
 W--> 313 Pro Asn Glu Glu Xaa Glu Xaa Asp Xaa Glu
 314 1 5 10
 316 <210> SEQ ID NO: 17
 317 <211> LENGTH: 10
 318 <212> TYPE: PRT
 319 <213> ORGANISM: Artificial Sequence
 321 <220> FEATURE:

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

DATE: 07/06/2001

PATENT APPLICATION: US/09/883,727

TIME: 11:49:11

Input Set : A:\00-33.SEQ.txt

Output Set: N:\CRF3\07062001\I883727.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:97 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:793 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40
L:817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:857 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48

VERIFICATION SUMMARY

DATE: 07/06/2001

PATENT APPLICATION: US/09/883,727

TIME: 11:49:11

Input Set : A:\00-33.SEQ.txt

Output Set: N:\CRF3\07062001\I883727.raw

L:985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:1009 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:1057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52